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synchronize video annotation

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1 Plenary papers: *SEVA*: sensor-enhanced video annotation   ■
◆ Xiaotao Liu, Mark Corner, Prashant Shenoy
November 2005 **Proceedings of the 13th ACM international conference on Multimedia MM '05**
Publisher: ACM Press
Full text available: ▣ pdf(432.55 KB)   Additional Information: full citation, abstract, references, index terms

In this paper, we study how a sensor-rich world can be exploited by digital recording devices such as cameras and camcorders to improve a user's ability to search through a large repository of image and video files. We design and implement a digital recording system that records identities and locations of objects (as advertised by their sensors) along with visual images (as recorded by a camera). The process, which we refer to as *sensor-enhanced video annotation (SEVA)*, combines a series ...

Keywords: context-based retrieval, location-based services, sensor-enhanced, video annotation

2 Using Java to implement a multimedia annotation environment for young children   ■
◆ Afrodite Sevasti, Bouras Christos
October 2000 **Proceedings of the eighth ACM international conference on Multimedia**
Publisher: ACM Press
Full text available: ▣ pdf(796.37 KB)   Additional Information: full citation, abstract, references, index terms

The exceptional advent and dominance of interactive multimedia applications in our days has led to the need for their exploitation for educational, among many other, purposes. In this work, we present the design and implementation of a multimedia annotation environment for young children using the Java 2 Platform. This environment was developed to provide children of ages 4 to 8 with the opportunity to reflect upon and annotate episodes from their everyday life.

Our aim was to exploit ...

Keywords: Java, hypermedia interface, interactive multimedia, media integration, synchronization, video annotation, video browsing

3 Poster session and reception: Annotations as multiple perspectives of video content   ■

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1 **Reception and posters: Synchronization of lecture videos and electronic slides by** ◼
◈ **video text analysis**
Feng Wang, Chong-Wah Ngo, Ting-Chuen Pong
November 2003 **Proceedings of the eleventh ACM international conference on Multimedia**
Publisher: ACM Press
Full text available: 📄 pdf(226.82 KB)   Additional Information: full citation, abstract, references, index terms

An essential goal of structuring lecture videos captured in live presentation is to provide a synchronized view of video clips and electronic slides. This paper presents an automatic approach to match video clips and slides based on the analysis of text embedded in lecture videos. We describe a method to reconstruct high-resolution video texts from multiple keyframes for robust OCR recognition. A two-stage matching algorithm based on the title and content similarity measures between video clips ...

Keywords: lecture videos, synchronization, video text analysis

2 **Embedded video in hypermedia documents: supporting integration and adaptive** ◼
◈ **control**
Dick C. A. Bulterman
October 1995 **ACM Transactions on Information Systems (TOIS)**, Volume 13 Issue 4
Publisher: ACM Press
Full text available: 📄 pdf(2.41 MB)   Additional Information: full citation, abstract, references, citings, index terms

As the availability of digital video becomes commonplace, a shift in application focus will occur from merely accessing video as an independent data stream to embedding video with other multimedia data types into coordinated hypermedia presentations. The migration to embedded video will present new demands on application and support environments: processing of any one piece of video data will depend on how that data relates to other data streams active with ...

Keywords: adaptive control, embedded video, hypermedia documents, multimedia, synchronization, video presentation

3 ◼
Synchronization in multimedia data retrieval

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Terms used **video text annotation**   Found **15,031** of **167,655**

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1 Active video watching using annotation
Nuno Correia, Teresa Chambel
October 1999 **Proceedings of the seventh ACM international conference on Multimedia (Part 2)**
Publisher: ACM Press
Full text available: 🔴 pdf(507.08 KB)   Additional Information: full citation, references, citings, index terms

Keywords: active watching, annotation, hypervideo, video

2 Fluid interaction techniques for the control and annotation of digital video
Gonzalo Ramos, Ravin Balakrishnan
November 2003 **Proceedings of the 16th annual ACM symposium on User interface software and technology**
Publisher: ACM Press
Full text available: 🔴 pdf(3.03 MB) ◎
mov(5:20 MIN) 📄   Additional Information: full citation, abstract, references, citings, index terms
wmv(5:20 MIN)

We explore a variety of interaction and visualization techniques for fluid navigation, segmentation, linking, and annotation of digital videos. These techniques are developed within a concept prototype called *LEAN* that is designed for use with pressure-sensitive digitizer tablets. These techniques include a transient position+velocity widget that allows users not only to move around a point of interest on a video, but also to rewind or fast forward at a controlled variable speed. We also ...

Keywords: annotations, fluid interaction techniques, pen-based interfaces, video

3 Content 1: news video processing: Joint visual-text modeling for automatic retrieval of multimedia documents
G. Iyengar, P. Duygulu, S. Feng, P. Ircing, S. P. Khudanpur, D. Klakow, M. R. Krause, R. Manmatha, H. J. Nock, D. Petkova, B. Pytlik, P. Virga
November 2005 **Proceedings of the 13th ACM international conference on Multimedia MM '05**
Publisher: ACM Press

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S11	47	synchroniz$6 NEAR5 text NEAR5 (video$1 movie$1) AND dvd	US-PGPUB; USPAT	OR	OFF	2005/12/05 08:47
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S13	13	synchroniz$6 NEAR5 text NEAR5 (video$1 movie$1) AND collaborat$6	US-PGPUB; USPAT	OR	OFF	2005/12/05 08:47
S14	80	annotat$6 NEAR2 (video$1 movie$1 clip$1) AND (shar$5 NEAR3 annotation$1)	US-PGPUB; USPAT	OR	OFF	2005/12/05 08:48
S15	56	annotat$6 NEAR2 (video$1 movie$1 clip$1) AND (shar$5 NEAR3 annotation$1) AND (rank$3 priorit$6)	US-PGPUB; USPAT	OR	OFF	2005/12/05 09:07
S16	45	annotat$6 NEAR2 (video$1 movie$1 clip$1) AND (shar$5 NEAR3 annotation$1) AND (peer)	US-PGPUB; USPAT	OR	OFF	2005/12/05 10:01
S17	2	((shar$5 rat$3 rank$3) NEAR3 annotat$6) SAME (synchroniz$6 NEAR3 (video$1 movie$1))	US-PGPUB; USPAT	OR	OFF	2005/12/05 10:06
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S19	0	dvd SAME (synchroniz$6 NEAR3 annotat$6)	US-PGPUB; USPAT	OR	OFF	2005/12/05 10:12
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